

February  
2006

# Rebuild Michigan



## PARTNER NEWS

**Rebuild Michigan, part of the U.S. Dept. of Energy's Rebuild America program, is designed to foster partnerships, which will promote increased energy efficiency and renewable energy use within communities. The program focuses on community-based energy planning to insure that local needs are met and that a sustained local effort is established.**

**Community partnerships develop comprehensive energy use strategies and organize a coalition to work towards fulfilling community energy goals. The partnerships identify energy efficiency opportunities in commercial, institutional and multi-family buildings and encourage installation of improvements that will yield the highest energy and cost savings.**

**MI DEPT. OF  
LABOR & ECONOMIC GROWTH  
ENERGY OFFICE**

**611 W. OTTAWA  
P.O. Box 30221  
LANSING, MI 48909**

**PHONE: 517-241-6228  
EMAIL:  
INGERSOULLM@MICHIGAN.GOV  
WEBSITE:  
WWW.MICHIGAN.GOV/  
EOREBUILD**

### ► COMMUNITY PARTNERSHIP UPDATE ◀

#### **REBUILD TRAVERSE CITY**

Rebuild Traverse City has initiated four detailed energy analyses of local businesses to assist with retrofitting and building expansion work. Oryana Food Cooperative has completed the installation of a solar hot water heating system. Rebuild Traverse City presented Community Energy Awareness materials at the Northwest Michigan College Energy Demonstration Center open house during the last quarter. The Bay Area Transportation Authority held an afternoon presentation introducing its new hybrid electric bus and facility wind electrification program.

#### **REBUILD WASHTEENAW COUNTY**

Rebuild Washtenaw County staff made ten energy conservation presentations over a three day period reaching more than two hundred employees. The County expects to complete more energy education for the upcoming quarter by providing a one hour presentation for all incoming employees. By educating employees Washtenaw County expects to maintain and potentially increase their energy efficiency.

#### **REBUILD MICHIGAN STATE UNIVERSITY**

Rebuild Michigan State University is currently gathering data on Energy Conservation Opportunities and have identified fifty planned projects, including a \$4 million investment in new energy efficient lighting.

#### **REBUILD UPPER MICHIGAN**

Rebuild Upper Michigan has completed three housing commission energy projects in Delta and Marquette Counties. They have also provided Bay College with energy project financial assistance. These four projects have a total investment of \$400,000 in energy efficiency upgrades and an expected combined yearly savings of \$75,000. Recently Rebuild Upper Michigan reported plans to install a wind turbine for the Ishpeming Housing Commission. The Windstar® will be the first commercial installation of a vertical axis wind turbine in the United States and is expected to meet 50% of the housing commissions electrical needs.

#### ***Updates:***

The Rebuild America website has moved to:

[www.rebuild.gov](http://www.rebuild.gov)

Please redirect any bookmarks to this location.

The Rebuild Michigan website may still be accessed through:

[www.michigan.gov/eorebuild](http://www.michigan.gov/eorebuild)

## REBUILD MICHIGAN PARTNER UPDATE

During the 2005 calendar year Rebuild Michigan enrolled a total of seventy new public agency partners. The table to the right lists the most recent partners to the program, the square footage they have committed to energy improvements, and potential energy savings. The Rebuild MI team completed Introductory Energy Evaluations for sixty-two clients identifying the areas where energy use can be reduced in facilities and if a technical energy analysis is recommended.

To view the complete list of new clients please go to [www.michigan.gov/eorebuild](http://www.michigan.gov/eorebuild) and click on Rebuild MI Energy Services.

Since September, 2003, 186 school districts, local governments, and public housing authorities have become part of the Rebuild Michigan program. Enrolled partners have pledged a total of 127,052,257 square feet to energy efficiency projects, with estimated annual cost savings of \$28,186,357 and estimated investment of \$226,478,700.

Public building owners that are seeking assistance to reduce their energy consumption through cost effective improvements may contact Rob DeBoer or Tim Shireman at (517) 241-6281 or [endinfo@michigan.gov](mailto:endinfo@michigan.gov)

\* These numbers were calculated based on the Rebuild America website and may not reflect the actual annual energy savings achievable.

Name	Square Feet	*Potential Annual Energy Savings (MMBTU)
Mackinaw City Public Schools	35,000	700
St.Clair County RESA	213,335	4267
Farwell area schools	165,822	3316
Fowler Public School District	89,327	1718
Ithaca Public Schools	225,311	4507
Cass District Library	29,415	1177
Vicksburg Community Schools	387,861	7757
Lansing School District	882,118	17642

### ENERGY STAR Incentive

The ENERGY STAR Building Label is awarded to buildings that exhibit high energy efficiency without sacrificing occupant safety and comfort. To receive the Building Label the owner must benchmark their building(s), have a professional engineer prepare a statement of energy performance for verification, and submit a completed application. To qualify, a building must be a K-12 school, office, hospital, computer data center, garage or parking lot. Buildings that achieve a score of 75 are in the top 25% for energy efficiency in the nation when compared with buildings used for similar purposes.

A financial incentive will be given to organizations after they have completed the application process to pay for up to 50% (\$1000 max) of the professional engineer's fee for the statement of energy performance. New in 2006, incentive funds are available for renewing an ENERGY STAR label. All incentives are awarded on a first come, first served basis until funds are exhausted. For more information please contact: Brandy Minikey – [bjminik@michigan.gov](mailto:bjminik@michigan.gov) or (517) 241-8235 and visit [www.michigan.gov/energyoffice](http://www.michigan.gov/energyoffice) or [www.energystar.gov](http://www.energystar.gov)

## OPPORTUNITY ANNOUNCEMENTS

### EnergySmart Schools Update

Rebuild Michigan sponsors a statewide energy education initiative entitled EnergySmart Schools that promotes energy efficiency through energy education and school-wide participation. Students of participating schools are able to take part in many hands-on activities including "energy patrols" and performing their own energy audits. In addition to integrating energy into education curriculum, schools are encouraged to create extra curricular activities for students, teachers, staff and/or community with the intent of supplementing classroom instruction.

Each school involved in Michigan's EnergySmart Schools, has made strides in improving community support for their energy programs. Fraser Public School's newly formed Conservation Club has completed three visits to a local elementary school and provided instructions/demonstrations from their "Energy from the Sun" packet provided by the National Energy Education Development (NEED) Project. Huron Intermediate School District sponsored area wide training for teachers on energy efficiency and renewable energy curriculum and provided materials to enhance their classroom learning environment.

### ☆☆EnergySmart School Incentive 2006/2007 ☆☆

Rebuild Michigan is soliciting applications for EnergySmart Schools Incentives. The purpose of these incentives is to encourage Michigan K-12 public school districts to integrate energy education into their curriculum during the 2006-2007 school year. Extra-curricular activities that compliment the energy curriculum may also be proposed. Awards of up to \$6,000 per district for three to four school districts are available for teachers workshops and materials for students. The incentives are awarded on a first-come first-serve basis. Interested school districts should plan on initiating one or more energy education training sessions in the spring/summer and to begin integrating energy activities into the classroom during the fall semester 2006. All curriculum materials and staff workshops will be provided by NEED (need.org). To apply, your school district must be enrolled in the Rebuild Michigan program. More information is available online by going to [www.michigan.gov/eorebuild](http://www.michigan.gov/eorebuild) and clicking on Michigan EnergySmart Schools. Applications may be submitted between 03/01/2006 and 05/01/2006.

Please contact Rob DeBoer or Tim Shireman at (517) 241-6281  
or [erdinfo@michigan.gov](mailto:erdinfo@michigan.gov) to request a brochure and application

## REBUILD PUBLICATIONS

### **The Energy Smart Guide to Campus Cost Savings**

Each chapter of this guide spells out options for implementing projects and is focused in project financing, clean fuel fleets, combined heat and power technology and emission markets.

To order this guide contact:  
[rebuildorders@rebuild.org](mailto:rebuildorders@rebuild.org)

### **Understanding Lighting Fixture Efficiency**

In a question and answer format, this newsletter discusses the concept of fixture efficiency and factors to consider when comparing fixture efficiencies as part of an overall lighting system design. The Light Edge Inc. is a Rebuild America Business Partner. 1 page

#### **Contact:**

Michael Morse  
[Mike.morse@thelightedge.com](mailto:Mike.morse@thelightedge.com)

### **Energy-Efficiency Economics: What You Need to Know**

This article offer new time and cost effective best practices for analyzing the merits of proposed energy efficiency upgrades to multi-tenant and/or income-producing office properties.

#### **Contact:**

Michael Ivanovich  
HPAC Engineering Magazine  
[mivanovich@penton.com](mailto:mivanovich@penton.com)

If you would like to receive the newsletter electronically please e-mail Megan Ingersoll at [ingersollm@michigan.gov](mailto:ingersollm@michigan.gov)

MI DEPT. OF LABOR & ECONOMIC GROWTH  
ENERGY OFFICE  
611 WEST OTTAWA AVE.  
P.O. BOX 30221  
LANSING, MI 48909

## ENERGY EVENTS

### **CHP opportunities with Alternative Energy Sources**

**March 14, 2006**  
NextEnergy Center  
Detroit, MI

For more information go to:  
[www.shepherdadvisors.com/](http://www.shepherdadvisors.com/)

### **Michigan Clean Fleet Conference**

**March 22, 2006**  
**830-430 pm**  
NextEnergy Center  
Detroit, MI

Contact: Rachel Kuntzsch  
[rachel@kbsincorporated.com](mailto:rachel@kbsincorporated.com)

### **Advancing Energy Efficiency and Productivity**

**March 23, 2006**  
Rock Financial Showplace  
Novi, MI

[http://ww2.esd.org/EVENTS/  
EnergyConf.htm](http://ww2.esd.org/EVENTS/EnergyConf.htm)

### **Globalcon**

**March 29– 30, 2006**  
Pennsylvania Convention  
Center  
Philadelphia, PA

Contact:  
[www.globalconevevt.com](http://www.globalconevevt.com)

### **Embrace Your Earth II**

**April 22, 2006**  
**9-4 pm**  
Laker Elementary School  
Pigeon, MI

Contact: Kathy Dickens  
[kdickens@lakerschools.org](mailto:kdickens@lakerschools.org)  
(989) 453-4605

### **Rebuild Technical**

**Workshop**  
**May 03, 2006**  
**830-1 pm**  
Lansing, MI

Contact: Megan Ingersoll  
[ingersollm@michigan.gov](mailto:ingersollm@michigan.gov)  
(517) 373-0444